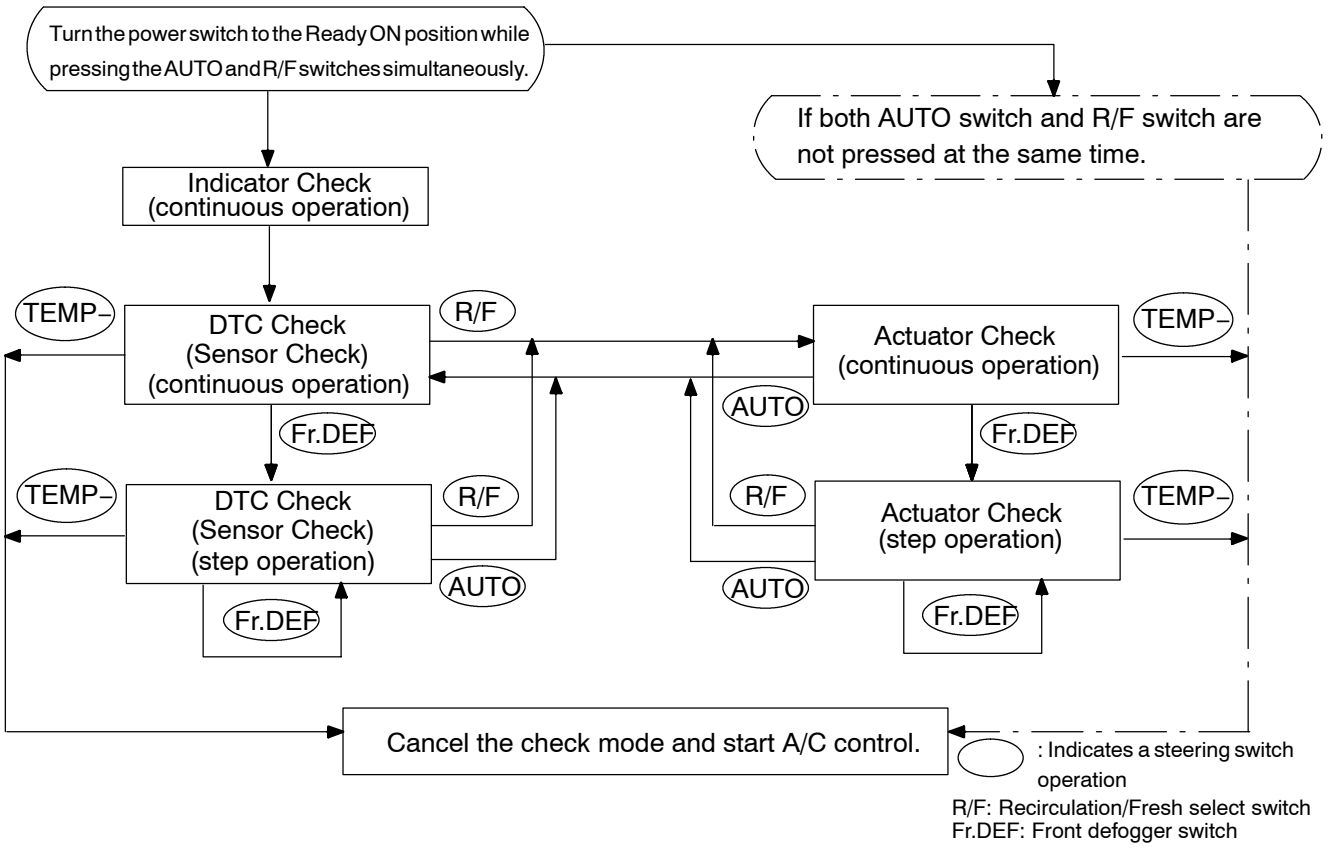
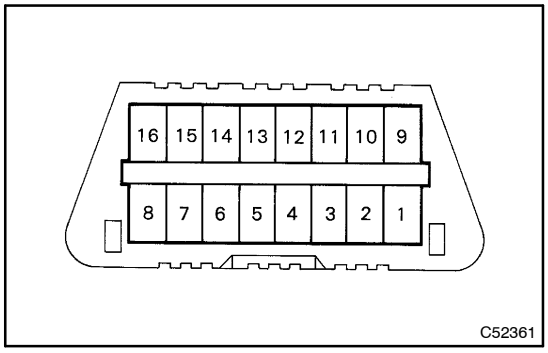
05ILR–01

# CHECK MODE PROCEDURE

## 1. LIST OF OPERATION METHODS

By operating each of the A/C control switches as shown in the diagram below, it is possible to enter the diagnostic check mode.






**2. CHECK THE DLC3**

(a) Check the DLC3:

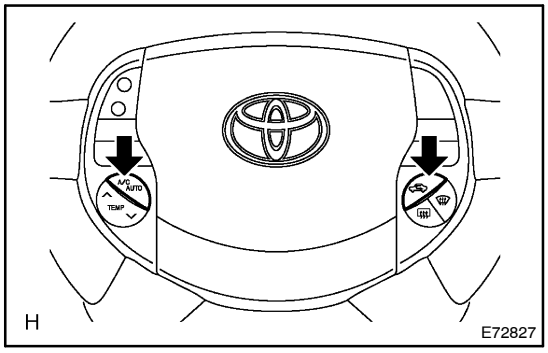
The air conditioning amplifier uses CAN and ISO 9141–2 (Euro–OBD)/ISO 14230 (M–OBD) for communication protocol. The terminal arrangement of the DLC3 complies with ISO 15031–3 and matches the ISO 9141–2/ISO 14230 format.

| Symbols (Terminal No.) | Terminal Description | Condition | Specified Condition |
|---|---|---|---|
| SIL (7) – SG (5) | Bus "+" line | During transmission | Pulse generation |
| CG (4) – Body ground | Chassis ground | Always | Below 1 Ω |
| SG (5) – Body ground | Signal ground | Always | Below 1 Ω |
| BAT (16) – Body ground | Battery positive | Always | 11 to 14 V |
| CANH (6) – CANL (14) | HIGH–level CAN bus line | Power switch off | 54 to 67 Ω |
| CANH (6) – Battery positive | HIGH–level CAN bus line | Power switch off | 1 MΩ or higher |
| CANH (6) – CG (4) | HIGH–level CAN bus line | Power switch off | 3 KΩ or higher |
| CANL (14) – Battery positive | LOW–level CAN bus line | Power switch off | 1 MΩ or higher |
| CANL (14) – CG (4) | LOW–level CAN bus line | Power switch off | 3 KΩ or higher |

HINT:

If the display shows "UNABLE TO CONNECT TO VEHICLE" after connecting the hand–held tester cable to the DLC3 and turning the ignition switch to the ON position, there is a problem either with the vehicle or the tester.

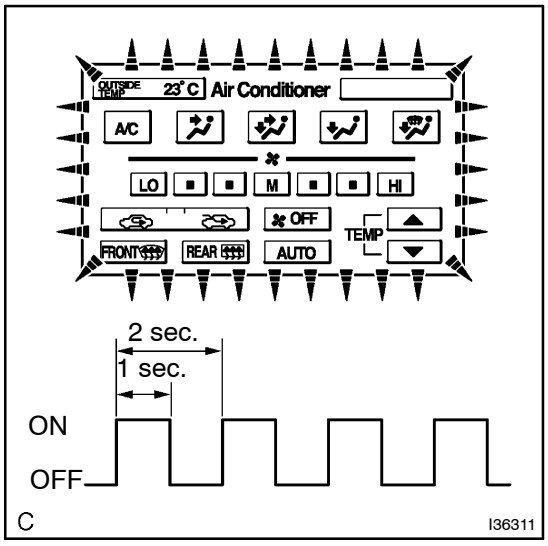
- If communication is normal when connecting the tester to another vehicle, inspect the DLC3 on the original vehicle.
- If communication is still not possible when connecting the tester to another vehicle, the problem is probably in the tester itself. Consult the Service Department listed in the tester's operator's manual.




### 3. INDICATOR CHECK

(a) Turn the power switch off.

(b) While pressing both the AUTO and R/F (Recirculation/ Fresh) switches on the steering switch, turn the power switch on (READY) from off.




(c) The indicator check is automatically performed when activating panel diagnosis. Check that all indicators and setting displays come on and go off 4 times at 1 second intervals.

Check that the buzzer sounds when the indicators come on.

HINT:

The sensor check is automatically started when the indicator check is completed.

(d) Push the ”TEMP DOWN” switch to finish panel diagnosis.